# Network USB over IP Server

# With 4-USB2.0 Port

User Manual

**Version 1.0**
**October 2009**

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to subpart J of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which the user will be required to correct the interference at their own expense.

**All contents are subject to change without prior notice.**

Part No. US8810U2-V1.0

# Chapter 1

## Installation

1.1 Product Overview
1.2 Network Management
1.3 Components and Features
1.4 Hardware Installation

# 1. Introduction

## 1.1 Product Overview

The Network USB over IP Server enhances capability by letting you place your USB devices at convenient locations directly on the Ethernet network. It's designed to connect your USB printers, MFP, and USB storage devices to your network, allowing all network users access to these USB devices remotely.

## 1.2 Network Management

The Network USB over IP server supports the WEB management, which remote management and a warning. A standard WEB server is permanent on its Network USB over IP Servers. Any standard WEB browser can be used to access and manage the Network USB over IP server.

## 1.3 Components and Features

### 4-USB2.0 Port Network USB over IP server

- 4 USB2.0 port (High-speed)
- Fast Ethernet network port: RJ-45 for 10Base-T or 100Base-TX
- 4 LED to indicate USB status, 1 LED to indicate system ststus
- One Setup CD for Windows 2000/XP and Windows 7, and User's Guide
- One external AC power adapter
- Built-in Reset Button

**Before you start, you should prepare:**

- One Windows 2000/XP or Windows 7 computer with CD-ROM drive
- The USB device(s) with USB port

## 1.4 Hardware Installation

Make sure that your USB devices are switched off and that the Network USB over IP Server's power adapter is disconnected.

1. Connect the Network USB over IP Server to the router or switch/HUB with the Ethernet cable.

2. Connect the power adapter to the Network USB over IP Server. When the Link LED lights up, the Network USB over IP Server is correctly connected to the network.

3. Connect your USB device to the USB port of the Network USB over IP Server.

# Chapter 2

## The Software Installation


2.1 For Windows 2000/XP Users

2.2 Connecting to an USB Device

2.3 Connecting to an USB Printer or Multi-functional Printer

2.4 Disconnecting an USB Device

2.5 Request to Disconnect

2.6 Setting the Network USB over IP Server by Setup Utility

2.7 For Windows 7 Users

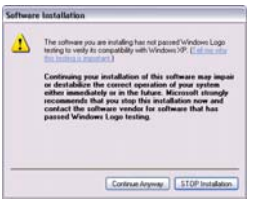
2.8 Connecting to an USB Device

# 2. The Software Installation

## 2.1 For Windows 2000/XP Users

1. Insert the setup CD into your computer. A welcome screen should appear with a menu of options, including the option to install the proper Network USB over IP Server software, access the User Manual, or Exit out of the welcome menu.

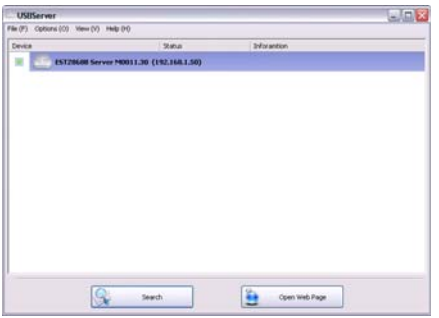
2. The installation wizard will start the installation process. During the installation, a Windows security message will appear. Select “continue Anyway” to continue.


Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

3. When the installation completed, click “Finish” to close the installation wizard..

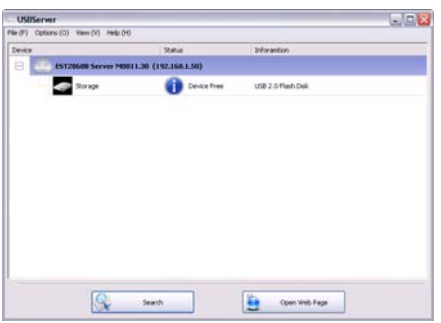
4. When prompted, restart your computer. After rebooting, you will see a new icon on your desktop. Double-click the icon and it will bring up the Network USB over IP Server setup utility.

5. The setup utility will show up and display all the active Network USB over IP Servers on your network. In this screen, you will see the product listed as "**EST2868B Server M00110.30 (192.168.1.50)**". The "M00110" is the last 6 digits of the Network USB over IP Server's MAC address, and the "192.168.1.50" is the Network USB over IP Server's IP address.




## 2.2 Connecting to an USB Device

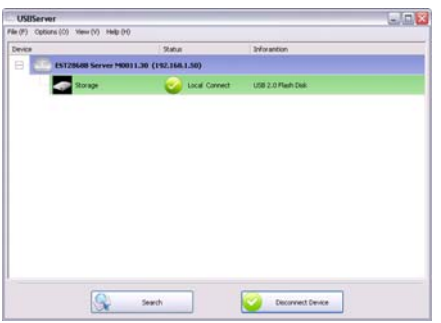
1. Connect the USB cable on your USB device to the USB port of the Network USB over IP Server, and make sure both the USB device and the Network USB over IP Server are powered on. The USB device will then show up on the Network USB over IP Server utility as a blue icon ( ). The blue icon indicates that the USB device is ready to be connected. If for any reason the USB device does not show up, please click the "Search" button to refresh the list.



**Note:**
If your USB device does not show up on the list, please try to disconnect and reconnect the USB device to the USB port of the Network USB over IP Server. Also, please make sure the Network USB over IP Server and your USB device are powered on.

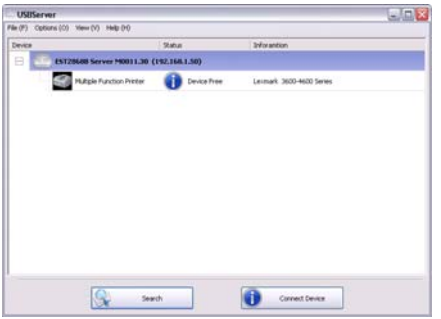
2. Select the USB device that you will want to connect and click on the “Connect Device” button at the bottom.

3. Once the USB device has been connected, the blue icon ( ) will turn green ( ) to indicate that the connection has been established. The USB device now becomes available on your computer, and you can use this USB device as if it was directly connected to your computer.



## 2.3 Connecting to an USB Printer or Multi-functional Printer

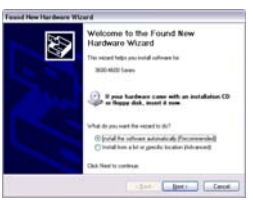
1. Connect the USB cable on your printer or multi-functional printer to the Network USB over IP Server and make sure your printer is powered on. You will then see the connected printer show up in the USB over IP Server setup utility. Select the printer from the list and click on the “Connect Device” button.




**Note:**
If your printer does not show up on the list, please try to disconnect and reconnect the printer to the USB port of the Network USB over IP Server. Also, please make sure the Network USB over IP Server and your printer are powered on.

2. The printer will be detected as if it was plugged directly into your computer.

3. If this printer is connected to your computer for the first time, then you will need to complete the setup wizard for the printer software and driver installation. Please follow the wizard to setup the printer. Make sure you have the correct CD or drivers for your printer and follow the on-screen steps in the wizard. Once the wizard is completed, you will be able to use the printer as if it was directly connected to your computer.



**Notes:**

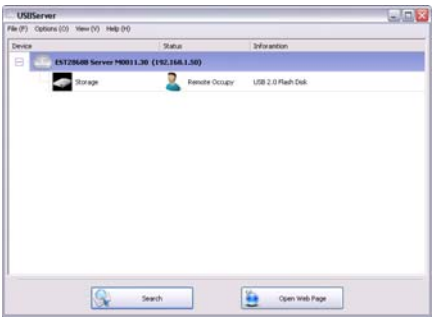
1. Some of the multi-functional printers feature the self-programming capabilities so that it might be failed during the driver installation (step 3 above). You are recommended to connect the printer to computer and complete the driver installation in advance, and then connect it to the Network USB over IP Server.
2. Please refer to your printer user manual on how to setup your printer on the computer.

## 2.4 Disconnecting an USB Device

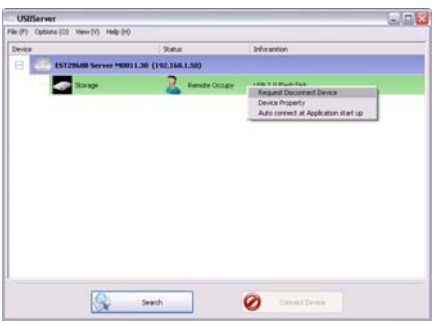
To disconnect an USB device, simply click on the connected USB device on the list of the Network USB over IP Server setup utility, and press the "Disconnect Device" button. The device will then no longer stay connected to your computer, however, you may reconnect the USB device again once the icon becomes blue ( ).

## 2.5 Request to Disconnect

1. If the USB device is being used by another computer on your network, a user icon ( ) will be displayed in front of the USB device name. You will not have the option to disconnect the USB device; however, you may send a courteous message to request that the other user disconnect/release the USB device.




2. To send the courteous message, right-click on the USB device and select “Request Disconnect Device”. A message will then be sent to the user requesting that they disconnect from the USB device.




**Note:**
If the occupying user denies this request, then you will not be able to send any further requests to the same user for 3 minutes. This is to prevent any user from flooding the occupying user will multiple requests within a short period of time.

## 2.6 Setting the Network USB over IP Server by Setup Utility

1. To configure the Network USB over IP Server by setup utility, right-click on the USB over IP Server and select “Setting Server”.

2. A Server Setting window will be displayed. You may set the DHCP (default), IP address and password. Moreover, you can upgrade the firmware and reboot the Network USB over IP Server.

## 2.7 For Windows 7 Users

1. Insert the setup CD into your computer. A welcome screen should appear with a menu of options, including the option to install the proper Network USB over IP Server software, access the User Manual, or Exit out of the welcome menu.

2. The installation wizard will start the installation process. During the installation, a Windows Security message will appear. Select “Install” to continue.

Windows Security
Would you like to install this device software?
Name: USB Server System devices
Publisher: Elite Silicon Technology Inc.
Always trust software from "Elite Silicon Technology Inc.".
Install
Don't Install
You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

3. Click on “Finish” to complete the installation process.

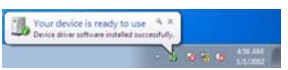
4. Once the installation process has been completed, a new icon will be shown on Desktop. Double-click on it for the first time execution.

## 2.8 Connecting to an USB Device

1. After you have successfully installed the Network USB over IP Server driver, connect the USB device to the USB port of Network USB over IP Server and make sure both the USB device and the Network USB over IP Server are powered on.

2. When the USB device is connected, the Network USB over IP Server will detect the connection of the USB device, and an icon of the USB device will show up in the Network window. In this example, we have connected a USB flash disk.

3. Right-click on the USB device that you want to connect to and select “Connect Device” to establish the connection. You will see the device driver is installing and the status will show at the bottom right corner on your system tray. This message will disappear once the driver has been installed.




After the installation is completed, the USB device will become available as if it were directly connected to your computer.

# Chapter 3

## WEB Management Interface

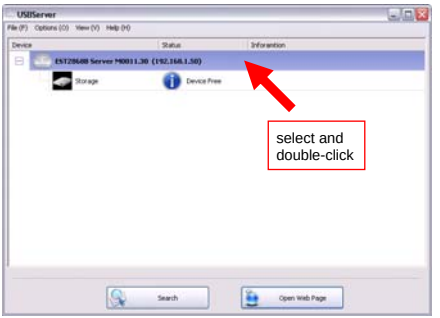
3.1 For Windows 2000/XP and Windows 7 Users

3.2 WEB Page Description

# 3. WEB Management Interface

## 3.1 For Windows 2000/XP and Windows 7 Users

To Access WEB management interface in Windows 2000/XP or Windows 7, in the USB over IP Server setup utility, select and double-click the "**EST2868B Server M00110.30**" item, the operating system will open the browser automatically and load the management webpage.




## 3.2 WEB Page Description

The left panel of the WEB management interface provides a list of different options to choose from.

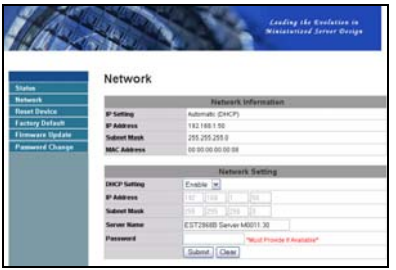
### Status:

Display the status information of the Network USB over IP Server and the connected USB devices. The interface is limited to support up to 4 USB devices.

## Network:

Display the networking information of the device. You can change the network settings according to your network specification. If you would like to give the Network USB over IP a static IP address, you will need to Disable DHCP in the “DHCP Setting” menu”. Once DHCP is disabled, enter the desired IP address on the IP address field along with the subnet mask and click “Submit” button to reboot the Network USB over IP Server.

Please note that if the Network USB over IP Server has a set password, you will need to enter it into the password field box.




## Reset Device:

The Reset Device window will allow you to reboot the Network USB over IP Server.

Please note that if the Network USB over IP Server has a set password, you will need to enter it into the password field box.

## Factory Default:

Allow you to restore the Network USB over IP Server back to factory default.

Please note that if the Network USB over IP Server has a set password, you will need to enter it into the password field box.

## Firmware Update:

Allow you to upload the latest firmware on the Network USB over IP Server. Click on “Browse” to specify the firmware location on your computer. Once the location path of firmware has been set, click “Submit” to begin the update.

Please note that if the Network USB over IP Server has a set password, you will need to enter it into the password field box.

## Password Change:

You can add or change any existing password on the Network USB over IP Server in this window. By default, the Network USB over IP Server does not come with a default password.

# Chapter 4

## Troubleshooting

4.1 Frequently Asked Questions

# 4. Troubleshooting

## 4.1 Frequently Asked Questions

1. Why can't I connect my USB device to my computer through Network USB over IP Server?

- Make sure the USB device functions normally when you plug it into your computer via USB cable.
- If the USB device, such as USB printer or multi-functional printer, requires a driver, please make sure you have installed it on the computer you wish to use. Rebooting your computer after installing USB device driver might also help.
- Although the Network USB over IP Server could work with a very wide spectrum of USB devices, it still has limited support on some USB devices. Please refer to the supported device list for details.

2. Why can't I see any servers on my Network USB over IP Server listing window after installing it?

- Please make sure that all of your Network USB over IP Servers are correctly connected to your network. Also, certain anti-virus programs come with firewall functions that might prevent the Network USB over IP Server setup utility from accessing the network. Please make sure the Network USB over IP Server setup utility is not being blocked by your anti-virus program.

3. The connected USB devices are disconnected after my computer wakes up from the computer stand-by?

- Connected devices will automatically be released for other network users in case you forget to release them. Please reconnect the USB devices again after your computer "wake up".